

SEQUENCE LISTING

<110> EluSys Therapeutics, Inc.

<120> Immunogenicity-reduced anti-CR1 antibody and compositions and methods of treatment based thereon

<130> ELI-037US

<140> 10/551,525

<141> 2005-09-30

<150> 60/458,869

<151> 2003-03-28

<160> 14

<170> PatentIn version 3.2

<210> 1

<211> 366

<212> DNA

<213> Mus musculus

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tttccaggaa acaagctgga gtggatggc tacataagct acagtggtag cactagctac 180

caccatatctc tcaaaaagtgc aatctctatc actcgagaca catccaagaa ccagttttc 240

ctgcagttga attctgtgac tactgaggac acagccacat attactgtac aactatcatt 300

aactatgata agtacgactg gtacttcgat gtctggggcg cagggaccac ggtcaccgtc 360

tcctca 366

<210> 2

<211> 122

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<213> Mus musculus

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Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
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Ser Leu Ser Leu Thr Cys Thr Val Thr Gly Tyr Ser Ile Thr Ser Asp
20 25 30

Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Asn Lys Leu Glu Trp
35 40 45

Met Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Ser Tyr His Pro Ser Leu
50 55 60

Lys Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Lys Asn Gln Phe Phe
 65 70 75 80

Leu Gln Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys
 85 90 95

Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr Phe Asp Val Trp
 100 105 110

Gly Ala Gly Thr Thr Val Thr Val Ser Ser
 115 120

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aacagaaaacc aggacagcca cccaaactcc tcatcaagta tgcatccagc ctagaatctg 180
gggtccctgc caggttcagt ggcagtgggt ctgggacaga cttcacccctc aacatccatc 240
ctgtggagga ggaggatact gcaacatatt actgtcagca cagttggag attccgtgga 300
cgttcggtgg aggcaccaca ctggaaatca ga 332

<210> 4
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<212> PRT
<213> Mus musculus

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Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Val Val Ser Leu Arg
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Gln Arg Ala Thr Ile Ser Cys Arg Ala Ser Gln Ser Val Arg Thr Ser
 20 25 30

Ser Tyr Ser Tyr Ile His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
 35 40 45

Lys Leu Leu Ile Lys Tyr Ala Ser Ser Leu Glu Ser Gly Val Pro Ala
 50 55 60

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile His
 65 70 75 80

Pro Val Glu Glu Glu Asp Thr Ala Thr Tyr Tyr Cys Gln His Ser Trp
 85 90 95

Glu Ile Pro Trp Thr Phe Gly Gly Thr Thr Leu Glu Ile Arg
 100 105 110

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 catggatgg agctgtatca tcctcttctt ggttagcaaca gctacaggtta aggggctcac 180
 agtagcaggc ttgaggtctg gacatatata tgggtgacaa tgacatccac tttgccttc 240
 tctccacagg tgtccactcc gatgtgcagc ttcaggagtc gggacctggc ctggtgaaac 300
 cttctcagac tctgtccctc acctgcactg tctctggcta ctcaatgacc agtgattatg 360

cctggaaactg gattcggcag tttccaggaa aggggctgga gtggatcgac tacataagct	420
acagtggtag cactacctac cacccatctg tcaaaaagtgc aatcaactatc tctcgagaca	480
catccaagaa ccagttcttc ctgcagatga actctgtgac tactgaggac acagccacat	540
attactgtac aactatcatt aactatgata agtacgactg gtacttcgat tactggggcc	600
aagggaccac ggtcaccgtc tcctcaggtg gtccttacaa cctctctttt ctattcagct	660
taannngatt ttactgcatt tggtgggggg gaaatgtgt nntctgaatt tcaggtcatg	720
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Met Thr Ser Asp Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys		
35	40	45

Gly Leu Glu Trp Ile Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Thr Tyr		
50	55	60

His Pro Ser Val Lys Ser Arg Ile Thr Ile Ser Arg Asp Thr Ser Lys			
65	70	75	80

Asn Gln Phe Phe Leu Gln Met Asn Ser Val Thr Thr Glu Asp Thr Ala		
85	90	95

Thr Thr Tyr Cys Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr		
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Phe Asp Tyr Trp Gly Gln Gly Thr Thr Val Thr Val Ser Ser		
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Val Arg Thr Ser Ser Tyr Ser Tyr Ile His Trp Tyr Gln Gln Lys Pro
35 40 45

Gly Gln Pro Pro Lys Leu Leu Ile Tyr Tyr Ala Ser Ser Leu Glu Ser
50 55 60

Gly Val Pro Ala Arg Phe Ser Gly Ser Gly Ser Gly Thr Phe Thr Leu
65 70 75 80

Asn Ile Ser Pro Val Glu Glu Asp Thr Ala Thr Tyr Tyr Cys Gln
 85 90 95

His Ser Trp Glu Ile Pro Trp Xaa Phe Gly Pro Gly Thr Lys Val Glu
 100 105 110

Ile Lys

<210> 9
 <211> 122
 <212> PRT
 <213> Mus musculus

<400> 9

Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln
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Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Met Thr Ser Asp
 20 25 30

Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Gly Leu Glu Trp
 35 40 45

Ile Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Ser Tyr His Pro Ser Val
 50 55 60

Lys Ser Arg Ile Thr Ile Ser Arg Asp Thr Ser Lys Asn Gln Phe Phe
 65 70 75 80

Leu Gln Met Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys
 85 90 95

Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr Phe Asp Val Trp
 100 105 110

Gly Gln Gly Thr Thr Val Thr Val Ser Ser
 115 120

<210> 10
 <211> 122
 <212> PRT
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<400> 10

Asp Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Gln

1 5 10 15

Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Met Thr Ser Asp
20 25 30

Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Gly Leu Glu Trp
35 40 45

Ile Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Ser Tyr His Pro Ser Leu
50 55 60

Lys Ser Arg Ile Ser Ile Ser Arg Asp Thr Ser Lys Asn Gln Phe Phe
65 70 75 80

Leu Gln Met Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys
85 90 95

Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr Phe Asp Val Trp
100 105 110

Gly Gln Gly Thr Thr Val Thr Val Ser Ser
115 120

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Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Tyr Ser Ile Thr Ser Asp
20 25 30

Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Gly Leu Glu Trp
35 40 45

Ile Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Ser Tyr His Pro Ser Leu
50 55 60

Lys Ser Arg Ile Ser Ile Ser Arg Asp Thr Ser Lys Asn Gln Phe Phe
65 70 75 80

Leu Gln Met Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys
85 90 95

Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr Phe Asp Val Trp
100 105 110

Gly Gln Gly Thr Thr Val Thr Val Ser Ser
115 120

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<212> PRT
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20 25 30

Tyr Ala Trp Asn Trp Ile Arg Gln Phe Pro Gly Lys Gly Leu Glu Trp
35 40 45

Met Gly Tyr Ile Ser Tyr Ser Gly Ser Thr Ser Tyr His Pro Ser Leu
50 55 60

Lys Ser Arg Ile Ser Ile Ser Arg Asp Thr Ser Lys Asn Gln Phe Phe
65 70 75 80

Leu Gln Met Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys
85 90 95

Thr Thr Ile Ile Asn Tyr Asp Lys Tyr Asp Trp Tyr Phe Asp Val Trp
100 105 110

Gly Gln Gly Thr Thr Val Thr Val Ser Ser
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Gln Arg Ala Thr Ile Ser Cys Arg Ala Ser Gln Ser Val Arg Thr Ser
20 25 30

Ser Tyr Ser Tyr Ile His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
35 40 45

Lys Leu Leu Ile Tyr Tyr Ala Ser Ser Leu Glu Ser Gly Val Pro Ala
50 55 60

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile Ser
65 70 75 80

Pro Val Glu Glu Glu Asp Thr Ala Thr Tyr Tyr Cys Gln His Ser Trp
85 90 95

Glu Ile Pro Trp Thr Phe Gly Pro Gly Thr Lys Val Glu Ile Lys
100 105 110

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<213> Mus musculus

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20 25 30

Ser Tyr Ser Tyr Ile His Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
35 40 45

Lys Leu Leu Ile Lys Tyr Ala Ser Ser Leu Glu Ser Gly Val Pro Ala
50 55 60

Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile Ser
65 70 75 80

Pro Val Glu Glu Glu Asp Thr Ala Thr Tyr Tyr Cys Gln His Ser Trp
85 90 95

Glu Ile Pro Trp Thr Phe Gly Pro Gly Thr Thr Val Glu Ile Lys
100 105 110